MATCH & RETURN



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/70/, 588A

Source: /bob Rush

Date Processed by STIC: 9/26/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- 3. Hand Carry directly to:
- U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
- U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- 4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

#9

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09/70/,588 A
attn: new rules case	s: Please disregard english "Alpha" Headers, which were inserted by Pto Software
IWrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s)contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section/that some may be missing.
6Patentin 2.0 "bug"	A "bug" in Patentin version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentin would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
0Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
1Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (See. 1.823 of Sequence Rules)
2PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
3Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001

#9

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/701,588A

DATE: 09/26/2002 TIME: 10:49:12

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

```
3 (1) GENERAL INFORMATION:
        (i) APPLICANT: UNITED BIOMEDICAL INC., ET AL.
 7
       (ii) TITLE OF INVENTION: ARTIFICIAL T HELPER CELL
                                 EPITOPES AS IMMUNE STIMULATORS FOR SYNTHETIC
 8
 9
                                 EPTIDE IMMUNOGENS
11
      (iii) NUMBER OF SEQUENCES: 151
13
       (iv) CORRESPONDENCE ADDRESS:
             (A) ADDRESSEE: Morgan & Finnegan, L.L.P.
15
             (B) STREET: 345 Park Avenue
16
             (C) CITY: New York
17
             (D) STATE: NY
18
             (E) COUNTRY: USA
19
             (F) ZIP: 10154-0054
        (v) COMPUTER READABLE FORM:
21
22
             (A) MEDIUM TYPE: Floppy disk
23
             (B) COMPUTER: IBM PC compatible
             (C) OPERATING SYSTEM: PC Windows
24
25
             (D) SOFTWARE: Word 97
27/
       (vi) CURRENT APPLICATION DATA:
             (A) APPLICATION NUMBER: US/09/701,588A
             (B) FILING DATE: 21-Jun-1999
30
             (C) CLASSIFICATION:
      (vii) PRIOR APPLICATION DATA:
32
             (A) APPLICATION NUMBER: 09/100,414
33
34
             (B) FILING DATE: 20-JUNE-1998
36
     (viii) ATTORNEY/AGENT INFORMATION:
37
             (A) NAME: Maria H. Lin
             (B) REGISTRATION NUMBER: 29,323
38
39
             (C) REFERENCE/DOCKET NUMBER: 1151-4158PC1
41
       (ix) TELECOMMUNICATION INFORMATION:
42
             (A) TELEPHONE: 212-758-4800
43
             (B) TELEFAX: 212-751-6849
```

ERRORED SEQUENCES

	93 (2) INFORMATION FOR SEQ ID NO: 4:	
	94	(i) SEQUENCE CHARACTERISTICS:	
	95	(A) LENGTH: 16 amino acids	0
	96	(B) TYPE: amino acid	0'1
g/~>	97	(D) TOPOLOGY: LINEAR	A.
_	99	(ii) MOLECULE TYPE: peptide	•

RAW SEQUENCE LISTING DATE: 09/26/2002
PATENT APPLICATION: US/09/701,588A TIME: 10:49:12

Input Set: A:\PTO.txt
Output Set: N:\CRF4\09262002\I701588A.raw

```
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
     101
               Asp Val Ser Asp Val Lys Gly Val Val His Lys
     103
                                             gred amend acid nos. - see tem 3
on Evar furmany
Heet
     104
     105
               Val Asp Gly Val
E--> 106
                    15-15
     124 (2) INFORMATION FOR SEQ ID NO: 6:
     126
              (i) SEQUENCE CHARACTERISTICS:
     127
                   (A) LENGTH: 15 amino acids
     128
                   (B) TYPE: amino acid
     129
                   (D) TOPOLOGY: linear
     131
             (ii) MOLECULE TYPE: peptide
     133
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
     135
               Ile Ser Glu Ile Lys Gly Val Ile Val His Lys Ile
                                5
E--> 136
                                                 2010
     137
               Glu Gly Ile
     138
                        15
     156
         (2) INFORMATION FOR SEQ ID NO: 8:
              (i) SEQUENCE CHARACTERISTICS:
     158
     159
                   (A) LENGTH: 15 amino acids
     160
                   (B) TYPE: amino acid
     161
                   (D) TOPOLOGY: linear
             (ii) MOLECULE TYPE: peptide
     163
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
     165
               Leu Ser Glu Ile Lys Gly Val Ile Val His Lys

1 -5-5 -10 /0
     167
E--> 168
               Leu Glu Gly Val
     169
E--> 170
                       15- 15
     789 (2) INFORMATION FOR SEQ ID NO: 46:
     791
              (i) SEQUENCE CHARACTERISTICS:
     792
                   (A) LENGTH: 45 amino acids
     793
                   (B) TYPE: amino acid
     794
                   (D) TOPOLOGY: linear
             (ii) MOLECULE TYPE: peptide
     797
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:
     799
               Thr Ala Lys Ser Lys Lys Phe Pro Ser Tyr Thr Ala
     801
     802
                                                     10
     803
               Thr Tyr Gln Phe Gly Gly Ile Thr Glu Ile Arg Thr
     804
                       15
                                             20
     805
               Val Ile Val Thr Arg Ile Glu Thr Ile Gly Glu
     806
                                    30
     807
               His Trp Ser Tyr Gly Leu Arg Pro Gly
E--> 808
                            40
     1209 (2) INFORMATION FOR SEQ ID NO: 68
               (i) SEQUENCE CHARACTERISTICS:
     1211
     1212
                     (A) LENGTH: 30 amino acids
     1213
                    (B) TYPE: amino acid
                    (D) TOPOLOGY: linear
     1214
     1216
              (ii) MOLECULE TYPE: peptide
     1218
              (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 68
```

DATE: 09/26/2002

PATENT APPLICATION: US/09/701,588A TIME: 10:49:12 Input Set : A:\PTO.txt Output Set: N:\CRF4\09262002\I701588A.raw 1220 Lys Lys Lys Val Arg Val Val Thr Lys Val Val Thr 1221 1222 Val Pro Ile Ser Val Asp Gly Glu His Trp Ser 1223 15 20 1224 Tyr Gly Leu Arg Pro Gly E--> 1225 25 30 *L* 1681 (2) INFORMATION FOR SEQ ID NO: 94: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 46 amino acids 1684 1685 (B) TYPE: amino acid 1686 (D) TOPOLOGY: linear 1688 (ii) MOLECULE TYPE: peptide (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 94: 1691 Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr 1693 1694 Arg Ile Glu Thr Ile Leu Phe Gly Gly Cys Gly Glu 1695 1696 15 20 1697 Thr Tyr Gln Ser Arg Val Thr His Pro His Leu Pro 30 E--> 1698 Arg Ala Leu Met Arg Ser Thr Thr Lys Cys 1699 40 40 E--> 1700 45 1743 (2) INFORMATION FOR SEQ ID NO: 97: 1745 (i) SEQUENCE CHARACTERISTICS: 1746 (A) LENGTH: 42 amino acids 1747 (B) TYPE: amino acid 1748 (D) TOPOLOGY: linear 1750 (ii) MOLECULE TYPE: peptide 1752 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 97: 1754 Leu Ser Glu Ile Lys Gly Val Ile Val His Lys Leu 1755 5 1756 Glu Gly Val Gly Gly Cys Gly Glu Thr Tyr Gln Ser 1757 20 1758 Arg Val Thr His Pro His Leu Pro Arg Ala Leu Met E--> 1759 -35 35 30 Arg Ser Thr Thr Lys Cys 1760 A0 40 E--> 1761 2297 (2) INFORMATION FOR SEQ ID NO: 126: (i) SEQUENCE CHARACTERISTICS: 2299 2300 (A) LENGTH: 51 amino acids 2301 (B) TYPE: amino acid 2302 (D) TOPOLOGY: linear 2304 (ii) MOLECULE TYPE: peptide 2306 (ix) FEATURE: 2307 (A) NAME/KEY: Modified site Ser is at location 22 do you near location 20? 2308 (B) LOCATION (22) L-> 2309 (D) OTHER INFORMATION: /note=("(e-N)Lys" (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 126: 2311 2313 Ile Ser Ile Ser Glu Ile Lys Gly Val Ile Val His 2314

RAW SEQUENCE LISTING

DATE: 09/26/2002

PATENT APPLICATION: US/09/701,588A TIME: 10:49:13 Input Set : A:\PTO.txt Output Set: N:\CRF4\09262002\I701588A.raw 2315 Lys Ile Glu Gly Ile Leu Phe Xaa Glu Ser Val Glu 2316 20 Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys 2317 2318 30 2319 Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala E--> 2320 40 Thr Gly Asp 2321 50 2322 2324 (2) INFORMATION FOR SEQ ID NO: 127: 2326 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 51 amino acids 2327 2328 (B) TYPE: amino acid 2329 (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide 2331 2334 (ix) FEATURE: do you mean location 2335 (A) NAME/KEY: Modified site (B) LOCATION (22)2336 C--> 2337 (D) OTHER INFORMATION: /note= "(e-N)Lys" 2339 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 127: 2341 Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr 2342 10 W-0√2343 Arg Ile Glu Thr Ile Leu Phe Xaa Glu Ser Val Glu 2344 2345 Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys 2346 30 2347 Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala E--> 2348 2349 Thr Gly Asp 2350 50 2352 (2) INFORMATION FOR SEQ ID NO: 128: (i) SEQUENCE CHARACTERISTICS: 2355 (A) LENGTH: 51 amino acids 2356 (B) TYPE: amino acid 2357 (D) TOPOLOGY: linear 2359 (ii) MOLECULE TYPE: peptide 2361 (ix) FEATURE: 2362 (A) NAME/KEY: Modified site 2363 (B) LOCATION: 20 2364 (D) OTHER INFORMATION: /note= "(e-N)Lys"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 128:

Ile Ser Leu Thr Glu Ile Arg Thr Val Ile Val Thr

Arg Leu Glu Thr Val Leu Phe Xaa Glu Ser Val Glu

Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys

Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala

30

20

48

10

RAW SEQUENCE LISTING

Thr Gly Asp

2366

2368

2369

2371

2372

2373

2374

2376

E--> 2375

√> 2370

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/701,588A

DATE: 09/26/2002 TIME: 10:49:13

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

```
2377
     2379 (2) INFORMATION FOR SEQ ID NO: 129:
               (i) SEQUENCE CHARACTERISTICS:
                    (A) LENGTH: 51 amino acids
     2382
     2383
                    (B) TYPE: amino acid
     2384
                    (D) TOPOLOGY: linear
     2386
              (ii) MOLECULE TYPE: peptide
     2388
              (ix) FEATURE:
     2389
                    (A) NAME/KEY: Modified site
     2390
                    (B) LOCATION: 20
C--> 2391
                    (D) OTHER INFORMATION: /note= "(e-N)Lys"
     2393
              (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 129:
     2395
                Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr
     2396
                1
                                                      10
   > 2397
                Arg Ile Glu Thr Val Ile Phe Xaa Glu Ser Val Glu
     2398
                        15
     2399
                Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys
     2400
                                     30
     2401
                Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala
E--> 2402
     2403
                Thr Gly Asp
     2404
                    50
     2772 (2) INFORMATION FOR SEQ ID NO: 148:
     2774
               (i) SEQUENCE CHARACTERISTICS:
                    (A) LENGTH: 52 amino acids
     2775
     2776
                    (B) TYPE: amino acid
     2777
                    (D) TOPOLOGY: linear
              (ii) MOLECULE TYPE: peptide
     2779
     2782
              (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 148:
     2784
                Ile Ser Ile Ser Glu Ile Lys Gly Val Ile Val His
     2785
                                                      10
     2786
                Lys Ile Glu Gly Ile Leu Phe Gly Gly Glu Ser Val
     2787
                                             20
     2788
                Glu Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg
E--> 2789
                                     30
     2790
                Lys Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr
     2791
                            40
                Ala Thr Gly Asp
     2792
     2793
                    50
     2795 (2) INFORMATION FOR SEQ ID NO: 149:
               (i) SEQUENCE CHARACTERISTICS:
     2797
     2798
                    (A) LENGTH: 52 amino acids
     2799
                    (B) TYPE: amino acid
     2800
                    (D) TOPOLOGY: linear
     2802
              (ii) MOLECULE TYPE: peptide
              (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 149:
     2804
     2806
                Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr
     2807
     2808
                Arg Ile Glu Thr Ile Leu Phe Gly Gly Glu Ser Val
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/701,588A

DATE: 09/26/2002 TIME: 10:49:13

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

```
2809
                         15
                                              20
     2810
                Glu Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg
E--> 2811
                                     30
                                                  2812
                Lys Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr
     2813
                             40
     2814
                Ala Thr Gly Asp
     2815
                    50
     2817 (2) INFORMATION FOR SEQ ID NO: 150:
               (i) SEQUENCE CHARACTERISTICS:
     2820
                    (A) LENGTH: 50 amino acids
     2821
                    (B) TYPE: amino acid
     2822
                    (D) TOPOLOGY: linear
     2824
              (ii) MOLECULE TYPE: peptide
     2827
              (ix) FEATURE:
     2828
                    (A) NAME/KEY: Modified site
     2829
                    (B) LOCATION: 20
C--> 2830
                    (D) OTHER INFORMATION: /note= "(e-N)Lys"
     2832
              (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 150:
     2834
                Ile Ser Leu Thr Glu Ile Arg Thr Val Ile Val Thr
     2835
aks 2836
                Arg Leu Glu Thr Val Leu Phe Xaa Glu Ser Val Glu
     2837
                Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys
     2838
     2839
                                     30
     2840
                Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala
E--> 2841
     2842
                Thr Gly
     2843
                    50
     2845 (2) INFORMATION FOR SEQ ID NO: 151:
               (i) SEQUENCE CHARACTERISTICS:
     2847
     2848
                    (A) LENGTH: 50 amino acids
     2849
                    (B) TYPE: amino acid
     2850
                    (D) TOPOLOGY: linear
     2852
              (ii) MOLECULE TYPE: peptide
     2854
              (ix) FEATURE:
     2855
                    (A) NAME/KEY: Modified site
     2856
                    (B) LOCATION: 20
C--> 2857
                    (D) OTHER INFORMATION: /note= "(e-N)Lys"
              (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 151:
     2859
     2861
                Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr
     2862
                                 5
    2863
                Arg Ile Glu Thr Val Ile Phe Xaa Glu Ser Val Glu
     2864
                                             20
     2865
                Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys
     2866
                                     30
     2867
                Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala
E--> 2868
                             40
                Thr Gly
     2869
     2870
                    50
```

Sel net page for more error

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:151:

CLAIMS

We claim:

1. A T helper cell epitope selected from the group consisting of SEQ ID NOS: 6-22, 105, 123, 124, 31-35.

sample of extraneous text at end of
Sequence Listing. Please delete all of

it. Do not insert claim information or

any information other than the Sequence
Listing.

VERIFICATION SUMMARY DATE: 09/26/2002 PATENT APPLICATION: US/09/701,588A TIME: 10:49:14

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

```
L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:82 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]
L:97 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]
L:106 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4
L:113 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]
L:136 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6
L:168 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8
M:332 Repeated in SeqNo=8
L:808 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:46
L:1225 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:68
L:1417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0
L:1698 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:94
M:332 Repeated in SeqNo=94
L:1759 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:97
M:332 Repeated in SeqNo=97
L:2204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:12
L:2222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:12
L:2240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:12
L:2309 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:12
L:2320 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:126
L:2337 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:12
L:2348 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:127
L:2364 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128 after pos.:12
L:2375 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:128
L:2391 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:12
L:2402 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:129
L:2506 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136 after pos.:0
L:2530 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137 after pos.:0
L:2553 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138 after pos.:0
L:2576 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139 after pos.:0
L:2599 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:0
L:2622 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:0
L:2645 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0
L:2668 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143 after pos.:0
L:2691 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
```

VERIFICATION SUMMARY DATE PATENT APPLICATION: US/09/701,588A TI

DATE: 09/26/2002 TIME: 10:49:14

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

L:2695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:0

L:2714 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]

L:2718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:0

L:2737 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]

L:2741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:0

L:2760 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]

L:2764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:0

L:2789 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:148

L:2811 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:149

L:2830 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]

L:2841 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:150

L:2857 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]

L:2863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:12

L:2868 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:151